

Application No. : 10/662,696
Amdt. Dated : October 10, 2006
Reply To F.O.A. Of : July 7, 2006

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Amendments To The Claims

The listing of claims replaces all prior versions and listings of claims. Only those claims being amended herein show their changes in highlighted form, where insertions appear as underlined text (e.g., insertions) while deletions appear as strikethrough text (e.g., ~~deletions~~).

1. (Currently Amended) A method of treating ~~creating a treatment recommendation for a~~ patient with elevated intraocular pressure using a treatment recommendation which provides at least one of a recommended location of a stent implantation and a recommended number of stents to be implanted, the method comprising:

~~providing a baseline intraocular pressure of the patient;~~

~~providing at least one of a target intraocular pressure and a target reduction in intraocular pressure for the patient;~~

~~providing at least one aqueous cavity datum, the aqueous cavity datum selected from the group consisting of a collector channel resistance, a Schlemm's canal resistance, a length of a segment Schlemm's canal, a height of Schlemm's canal, and a width of Schlemm's canal;~~

acquiring ~~determining~~ a treatment recommendation comprising said at least one of said recommended location of said stent implantation and said recommended number of stents to be implanted for the patient, the treatment recommendation based on a ~~the~~ baseline intraocular pressure of the patient, ~~the~~ at least one of a target intraocular pressure and a target reduction in intraocular pressure for the patient, and ~~the~~ at least one aqueous cavity datum, wherein the at least one aqueous cavity datum is selected from the group of a collector channel resistance, a Schlemm's canal resistance, a length of a segment of Schlemm's canal, a height of Schlemm's canal, and a width of Schlemm's canal; and

~~creating an output statement that comprises said treatment recommendation;~~

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~~wherein the treatment recommendation comprises at least one of a recommended location of a stent implantation and a recommended number of stents to be implanted~~

treating the patient according to the treatment recommendation.

2. (Original) The method of claim 1, wherein the recommended location of a stent implantation comprises a distance from a collector channel.

3. (Original) The method of claim 2, wherein the distance is measured along Schlemm's canal.

4. (Currently Amended) The method of claim 1, further comprising:
~~providing at least one additional ocular datum, the at least one additional ocular datum selected from the group consisting of an episcleral venous pressure, a trabecular meshwork resistance, a facility of outflow, and a viscosity of aqueous humor;~~

wherein the treatment recommendation is also based on the at least one additional ocular datum, the at least one additional ocular datum selected from the group of an episcleral venous pressure, a trabecular meshwork resistance, a facility of outflow, and a viscosity of aqueous humor.

5. (Currently Amended) A method of treating ~~creating a treatment recommendation for a patient with elevated intraocular pressure using a treatment recommendation,~~ the method comprising:

~~providing a baseline intraocular pressure of the patient;~~

~~providing at least one of a target intraocular pressure and a target reduction in intraocular pressure for the patient;~~

~~providing at least one of a location of at least one collector channel and a distribution of a plurality of collector channels;~~

acquiring determining a treatment recommendation comprising at least one of a recommended location of a stent implantation and a recommended number of stents to be implanted for the patient, the treatment recommendation based on a the baseline intraocular pressure of the patient, the at least one of a target intraocular pressure and a target reduction in intraocular pressure for the

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patient, and ~~the~~ at least one of a location of at least one collector channel and a distribution of a plurality of collector channels; and

~~creating an output statement that comprises said treatment recommendation;~~

~~wherein the treatment recommendation comprises at least one of a recommended location of a stent implantation and a recommended number of stents to be implanted~~

treating the patient according to the treatment recommendation.

6. (Original) The method of claim 5, wherein the recommended location of a stent implantation is selected from the group consisting of nasal, temporal, a quadrant position, and a clock-hour position.

7. (Original) The method of claim 5, wherein the distribution of a plurality of collector channels is determined by imaging the patient.

8. (Original) The method of claim 5, wherein the distribution of a plurality of collector channels is determined at least in part from statistical data from eyes other than the patient's eyes.

9. (Canceled).

10. (New) The method of Claim 1, wherein the treating comprises implanting one or more stents to reduce the elevated intraocular pressure.

11. (New) The method of Claim 5, wherein the treating comprises implanting one or more stents to reduce the elevated intraocular pressure.